## **Adjuvant Ecological Toxicities and Characteristics**

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Туре	Use <sup>1</sup>	Ingredient <sup>2</sup>	Toxicity Concerns <sup>3</sup>		
			Humans	Terrestrial	Aquatic
Crop Oil	Surfactant	Highly Refined Petroleum	Slightly Toxic	Slightly Toxic	Slightly - Moderately Toxic
Seed Oils	Surfactant	Seed Oil (i.e. soy)	Practically Non-toxic	Practically Non-toxic	Practically Non-toxic
Methylated Seed Oils	Surfactant, Increased Efficacy	Methylated (Refined) Seed Oil	Practically Non-toxic	Practically Non-toxic	Practically Non-toxic
Limonene	Surfactant	Limonene	Practically Non-toxic	Practically Non-toxic	Practically Non-toxic
Organosilicone	Surfactant, Increased Efficacy	Organosilicone	Slightly Toxic	Slightly Toxic	Practically Non-toxic
Inorganic Salts	Increased Efficacy	Ammonium-salts	Slightly Toxic	Slightly Toxic	Practically Non-toxic
Dyes	Application Marker	Various FDA-Approved Food Dyes	Practically Non-toxic	Practically Non-toxic	Practically Non-toxic
Foam Retardant	Disperse Foam	Acetic Acid	Practically Non-toxic	Practically Non-toxic	Practically Non-toxic
<b>Drift Control Agent</b>	Droplet Size Control	Polyacrylamide copolymers	Slightly Toxic	Slightly Toxic	Practically Non-toxic

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<sup>&</sup>lt;sup>1</sup> The end use for these products may differ depending on manufacturer and user.

<sup>2</sup> The ingredients may differ from product to product depending on formulation.

<sup>3</sup> EPA does not require registration for adjuvants. The toxicity concerns expressed in this table are generalized due to the difference in formulations. Data was gathered from various chemical data sources and material safety data sheets, and may vary from product to product.